			Security	Responsibility Matrix (External Se	ervice, Cloud) v1.0 (Highlighted Contr	ols are Customer	/ Application Ow	ner Responsibility	')	
					Control Origination		Responsibility 8	k Additional Notes		
Control (FedRAM	Number and Name IP Rev4 Workbook)	Control Baseline (LOW or MOD)	FedRAMP Defined Assignment/Selection Parameters	Additional FedRAMP Requirements and Guidance	Cloud Provider (C), DOI (D), GeoPlatform (G), Application Owner (A), share (combined letters) OR Not Applicable (N/A)	Cloud Provider	DOI	GeoPlatform Team/Contractors	Application Owner	Comments
					1.1. Access Control (AC)					
AC-1	Access Control Policy and Procedures	LOW	AC-1.b.1 [at least every 3 years]AC-1.b. 2 [at least annually]		CDGA	https://aws.amazon. com/compliance/fedra mp/	Policy	Providing information requested for the controls	Consult your local security manager for your agency's specific policies and procedures	
AG-2	Account Management	LOW	AC-2j [at least annually]		CGA	https://aws.amazon. com/compliance/fedra mp/.		Document the different kinds of information system accounts that will be used in the system (e.g. admin, pr. coug, user, backup operator, guest) and then based on that assign/document 1. who are the system account managers (e.g. domain admin) 2. conditions for an employee to be part of special access groups or roles 3. approval procedures for new accounts 4. procedures for new accounts 5. monitoring accounts 15. monitoring accounts 15. monitoring accounts for compliance at least annually 7. process for reissuing hared/group accounts when membership changes." Need to show evidence that this reviewed with in a defined frequency (quarterly? or yearly?)		
AC-2 (1)	Automated System Account Management	MOD			CGA					
AC-2 (2)	REMOVAL OF TEMPORARY / EMERGENCY ACCOUNTS	MOD	[No more than 30 days for temporary and emergency account types]		CGA					
AC-2 (3)	DISABLE INACTIVE ACCOUNTS	MOD	[90 days for user accounts]	Requirement: The service provider defines the time period for non-user accounts (e.g., accounts associated with devices). The time periods are approved and accepted by the Authorizing Official.	CGA					
AC-2 (4)	AUTOMATED AUDIT ACTIONS	MOD			CGA					
AC-3	Access Enforcement	LOW			CGA	https://aws.amazon. com/compliance/fedra mp/		Document authorization process for accounts listed in AC-2	Responsible for having an authorization process for customer managed accounts that are used for authentication to customer managed resources like web applications	
AC-4	Information Flow Enforcement	MOD			CGA					
AC-5	Separation of Duties	MOD			CGA					
AC-6	Least Privilege	MOD			CGA					
AC-6 (1)	AUTHORIZE ACCESS TO SECURITY FUNCTIONS	MOD			CGA					

AC-6 (2)	NOM-PRIVILEGED ACCESS FOR NONSECURITY FUNCTIONS	MOD	[all security functions]	AC-6 (2). Guidance: Examples of security functions include but are not limited to: establishing system accounts, configuring access authorizations (i.e., permissions, privileges), setting events to be audited, and setting intrusion detection parameters, system programming, system and security administration, other privileged functions.	CGA				
AC-6 (5)	PRIVILEGED ACCOUNTS	MOD			CGA				
AC-6 (9)	AUDITING USE OF PRIVILEGED FUNCTIONS	MOD			CGA				
	PROHIBIT NON- PRIVILEGED USERS FROM EXECUTING PRIVILEGED FUNCTIONS	MOD			CGA				
AC-7	Unsuccessful Login Attempts	LOW	AC-7a [not more than three] [fifteen minutes] AC-7b [locks the account/node for thirty minutes]		CGA	https://aws.amazon. com/compliance/fedra mp/	covered by STIG or AD	For any local accounts, DB accounts, web app accounts et that are not based in AD and therfore not subjected to global STIG settings, The customer must set local accounts to those settings designated.	Evidence: may need to request screenshots showing the system enforces this.
AC-8	System Use Notification		Parameter: See Additional Requirements and Guidance.	Requirement. The service provider shall determine elements of the cloud environment that require the System Use Notification control. The elements of the cloud environment that require System Use Notification are approved and accepted by the Authorizing Official (AO). Requirement: The service provider shall obtermine how System Use Notification is going to be verified and provide appropriate periodicity of the check. The System Use Notification of the check of the System Use Notification of the check of the System Use Notification accepted by the AO. Guidance: If performed as part of a Configuration Baseline check, then the % of items requiring setting that are checked and that pass (or fail) check can be provided. Requirement. If not performed as part of a Configuration Baseline check, then there must be documented agreement on how to provide results of verification and the necessary periodicity of the verification by the service provider. The documented agreement on how to provide results of verification and the necessary periodicity of the verification by the service provider. The documented agreement on how to provide verification of the results are approved and accepted by the AO.		https://aws.amazon.com/compliance/fedra	DOI Login banner, privacy policy and security policy links (screen shot showing it is in place) where possible	DOI Application owners: DOI Banner and policy links; Other agencies??	
	Concurrent Session Control	MOD	[three (3) sessions for privileged access and two (2) sessions for non-privileged access]		CGA	https://aws.amazon. com/compliance/fedra mp/	Platform managed resources	Application or customer control resources	
AC-11	Session Lock	MOD	AC-11a. [fifteen minutes]		GA				
	PATTERN-HIDING DISPLAYS	MOD			G				
AC-12	Session Termination	MOD			GA				

AC-14	Permitted Actions	LOW		CGA	https://aws.amazon.		Any actions performed	Any actions performed	
	Without Identification/ Authentication				com/compliance/fedra mp/		without identification or authentication needs to	without identification or authentication needs to	
	Autrientication				mp/		be documented with	be documented.	
							rationale. Or statement	be documented.	
							of assurance that no		
							acctions can be		
							performed on the		
							system without		
							identification or		
AC-17	-	1.011/		CG	Lu		authentication		
AC-17	Remote Access	LOW		CG	https://aws.amazon. com/compliance/fedra		Identify all channels and technologies used		
					mp/		for remote access (e.g.		
					1112		RDP through an IPSEC		
							tunnel) and for each		
							one, document usage		
							restrictions,		
							configuration connection		
							requirements, and		
							implementation		
							guidance. Develop a		
							process to authorize		
							remote access.		
AC-17 (1)	AUTOMATED	MOD		GA					
	MONITORING / CONTROL								
AC-17 (2)	PROTECTION OF	MOD		GA					
AG-17 (2)	CONFIDENTIALITY /	IVIOD		OA .					
	INTEGRITY USING								
	ENCRYPTION								
AC 47 (2)	MANAGED ACCESS	MOD		64					
AC-17 (3)	MANAGED ACCESS CONTROL POINTS	MOD		GA					
AC-17 (4)	PRIVILEGED	MOD		GA					
	COMMANDS / ACCESS								
AC-18	Wireless Access	LOW		C	https://aws.amazon.				Wireless access is not a function that GeoPlatform provides.
					com/compliance/fedra				
					<u>mp/</u>				
AC-18 (1)	AUTHENTICATION	MOD		N/A					
AC-19	AND ENCRYPTION Access Control for	LOW			Lu				The second of th
AC-19	Mobile Devices	LOW		C	https://aws.amazon. com/compliance/fedra				There are no mobile devices that are part of the boundary
	Widdlie Devices				mp/				
AC-19 (5)	FULL DEVICE / CONTAINER-BASED	MOD		A					
	ENCRYPTION								
AC-20	Use of External	LOW		С	https://aws.amazon.				Any access would need to be through a trust agreement
	Information Systems				com/compliance/fedra				,
	,				mp/				
	I								
AC-20 (1)	LIMITS ON AUTHORIZED USE	MOD		C					
AC-20 (2)	PORTABLE STORAGE	MOD		C					
AG-20 (2)	DEVICES	IMOD		ľ					
AC-21	Collaboration and	MOD		A					
	Information Sharing								
AC-22	Publicly Accessible	LOW	AC-22d. [at least quarterly]	A				Application owners	
	Content							should follow the	
								publishing guidelines of	
								their bureau.	
				12 6	In In a CATE				
				 1.2. Security and Awareness Tra					
AT-1	Security Awareness and	LOW	AT-1.b.1 [at least every 3 years]AT-1.b.	CDG	https://aws.amazon.	DOI provides this	Covered in contract	Complete role based	What, if anything should be required at the Application
	Training Policy and Procedures	1	2 [at least annually]		com/compliance/fedra mp/	training (for DOI employees and		training as required by your bureau	owner level?
	1 Toceuties	1			THE PARTY OF THE P	contractors)		your pureau	
1		I				, , , , , , , , , , , , , , , , , , , ,			
AT-2	Security Awareness	LOW	AT-2. [Assignment: organization-	CDG	https://aws.amazon	DOI provides this	Covered in contract	Complete role based	What, if anything should be required at the Application
	1 ,	1	defined frequency		https://aws.amazon. com/compliance/fedra	DOI provides this training (for DOI		training as required by	owner level?
			Parameter: [at least annually]		mp/	employees and		your bureau	
						contractors)			
AT-2 (2)	Insider Threat	MOD		CDG	https://aws.amazon.				
					com/compliance/fedra mp/				
AT-3	Security Training	LOW	AT-3c. [Assignment: organization-	CDG	https://aws.amazon.	DOI provides this	Covered in contract	Complete role based	What, if anything should be required at the Application
	,	1	defined frequency]		com/compliance/fedra	training (for DOI		training as required by	owner level?
			Parameter: [at least annually]		mp/	employees and		your bureau	
				 		contractors)			
AT-4	Security Training	LOW	AT-4b. [Assignment: organization-	CDG	https://aws.amazon.	DOI provides this	Covered in contract	Complete role based	What, if anything should be required at the Application
	Records		defined frequency]		com/compliance/fedra	training (for DOI		training as required by	owner level?
1		I	Parameter: [At least one years]		mp/	employees and contractors)		your bureau	
						oomaciora)			
			1	 40 1 11 14 17	(ATD	<u> </u>			
				1.3. Audit and Accountability	(AU)				

					1		1			
AU-1	Audit and Accountability Policy and Procedures	LOW	AU-1.b.1 [at least every 3 years]AU-1.b. 2 [at least annually]		CDGA	https://aws.amazon. com/compliance/fedra	Policy	Providing information reuqested for the	Consult your local security manager for	
	,		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			mp/		controls	your agency's specific	
									policies and procedures	
AU-2	Auditable Events	LOW	AU-2a. [Successful and unsuccessful		CGA	https://aws.amazon.		Need to capture the		Evidence: screen shot of audit logs showing this information
7.0 2	/ Idditable Events		account logon events, account		Jos.	com/compliance/fedra		information in column		is captured
			management events, object access, policy change, privilege functions,			<u>mp/</u>		D. Should be covered		
			process tracking, and system events.					by using cloudwatch/cloud trail		
			For Web applications: all administrator							
			activity, authentication checks, authorization checks, data deletions,							
			data access data changes and							
			permission changes];AU-2d. [organization-defined subset of the							
			auditable events defined in AU-2 a. to							
			be audited continually for each identified eventl.							
			identified eventy.							
									Applicable STIGs and DOI hardening	
									standards and	
									guidelines	
AU-2 (3)	REVIEWS AND UPDATES	MOD	AU-2 (3). [Assignment: organization- defined frequency]	Guidance: Annually or whenever changes in the threat environment are communicated to the	UGA					
			Parameter: fannually or whenever there	service provider by the Authorizing Official.						
			is a change in the threat environment]							
AU-3	Content of Audit	LOW	Audit accords and the last		CGA	https://gwo.aaaaaa		Need to capture the		Evidence: coroon abot of audit less the inf
AU-3	Records	LOW	Audit records must contain what type of event occurred, when, where, the		OGA	https://aws.amazon. com/compliance/fedra		information in column	Applicable STIGs and	Evidence: screen shot of audit logs showing this information is captured
			source, the outcome, and the identity of			mp/		<ul> <li>D. Should be covered</li> </ul>	DOI hardening	
			any individuals or subjects associated with the event.					by using cloudwatch/cloud trail	standards and guidelines	
AU-3 (1)	ADDITIONAL AUDIT	MOD	AU-3 (1). [Assignment: organization-	AU-3 (1). Requirement: The service provider	GA				g	
	INFORMATION		defined additional, more detailed information] Parameter: [session,	defines audit record types. The audit record types are approved and accepted by the						
			connection, transaction, or activity	Authorizing Official.Guidance: For client-server						
			duration; for client-server transactions, the number of bytes received and bytes	transactions, the number of bytes sent and received gives bidirectional transfer information						
			sent: additional informational messages	that can be helpful during an investigation or						
			to diagnose or identify the event;	inquiry.						
			characteristics that describe or identify the object or resource being acted							
			upon]							
AU-4	A . 171 O1 O	1.011			CGA	https://aws.amazon.				
AU-4	Audit Storage Capacity	LOW			CGA	com/compliance/fedra				Evidence: screenshot showing amount of disk space for audit logs
						mp/				
AU-5	Response to Audit Processing Failures	LOW	AU-5b. [Assignment: Organization- defined actions to be taken]		CGA	https://aws.amazon. com/compliance/fedra		Designate a list of officials to receive		
	1 Toccasing Failures		Parameter: [low-impact: overwrite			mp/		automated notification		
			oldest audit records; moderate-impact: shut down]					(ISSO,OPS Admins) when there is a failure		
			Strut downj					in audit processing.		
								(environment is currently FISMA low,		
								overwrite oldest logs,		
								assuming that the		
								failure is of a storage nature, will change	Consult your bureau security manager for	
								when GP can host	audit and accountability	
AU-6	Audit Review, Analysis,	LOW	AU-6a. [Assignment: organization-		CGA	https://aws.amazon.		moderate)	policy and procedures  Customer will need to	
A0-0	and Reporting	2011	defined frequency] Parameter: [at least weekly]			com/compliance/fedra			review any web or	
			Parameter: [at least weekly]			mp/			custom app logs outside the scope of GP	
									management and report	
									their findings internal to	
									their team, document who it is being reported	
								Review audit records at	to etc. customers are also responsible for	
								least weekly, report findings to designated	reporting any findings of	
								list (ISSO,OPS team, CSIRT?)	interest to the GP team and GP/cloud ISSO.	
AU-6 (1)	PROCESS	MOD			CGA			OOINT!)	and Griciodd 1880.	
	INTEGRATION									
AU-6 (3)	CORRELATE AUDIT REPOSITORIES	MOD			CGA					
AU-7	Audit Reduction and	MOD			CGA					
	Report Generation									
ALL 7 (1)	Automotic D	MOD			004					
AU-7 (1)	Automatic Processing	MOD			CGA					

				1	1					
AU-8	Time Stamps	LOW			CGA	https://aws.amazon. com/compliance/fedra mp/		Document time source	Document time source	
AU-8 (1)	SYNCHRONIZATION WITH AUTHORITATIVE TIME SOURCE	MOD	AU-8 (1). [http://tf.nist.gov/tf-cgi/servers. cgi] <at hourly="" least=""></at>	AU-8 (1). Requirement: The service provider selects primary and secondary time servers used by the NIST Internet time service. The secondary service is selected from a different geographic region than the primary server. Requirement: The service provider synchronizes the system clocks of network computers that run operating systems other than Windows to the Windows Server Domain Controller entails or to the same time source for that server Guldance. Synchronization of system clocks improves the accuracy of	GGA .					
AU-9	Protection of Audit Information	LOW			CGA	https://aws.amazon. com/compliance/fedra mp/		Develop documentation	If the customer plugs their logging function into GP process, the customer should not have to document this control - inherited, but if they do not, they will need to document as well.	
AU-9 (4)	ACCESS BY SUBSET OF PRIVILEGED USERS	MOD			GA			Detector decementation		
AU-11	Audit Record Retention	LOW	AU-11. [at least ninety days]	AU-11. Requirement: The service provider retains audit records on-line for at least ninety days and further preserves audit records off-line for a period that is in accordance with NARA requirements.	CGA	https://aws.amazon. com/compliance/fedra mp/		90 days	90 days	
AU-12	Audit Generation	LOW	AU-12a. [all information system and network components where audit capability is deployed/available]		CGA	https://aws.amazon. com/compliance/fedra mp/		Evidence: audit log output	Evidence: audit log output	
					1.4. Assessment and Authorization	on (CA)				
CA-1	Security Assessment and Authorization Policies and Procedures	LOW	CA-1.b.1 [at least every 3 years]CA-1.b. 2 [at least annually]		CDGA	https://aws.amazon. com/compliance/fedra mp/	Policy	Participation in developing and implementing security controls	Consult your local security manager for your agency's specific policies and procedures	
CA-2		LOW	CA-2b. [at least annually] CA-2d [individuals or roles to include FedRAMP PMO]		CDGA	https://aws.amazon. com/compliance/fedra mp/	Direct activities	Participate in assessment	Participate in activities.	
CA-2 (1)	INDEPENDENT ASSESSORS	LOW	Added to NIST Baseline for "Low" FedRAMP baseline.	For JAB Authorization, must be an accredited 3PAO	CDGA	https://aws.amazon. com/compliance/fedra mp/	OIG	Participate in assessment	Participate in activities.	
CA-3	Information System Connections	LOW	CA-3c. 3 Years / Annually and on input from FedRAMP		CDGA	https://aws.amazon. com/compliance/fedra mp/	Review and approval	As needed for connections to other information systems	Customers will be required to obtain ISAs with any cooperators for access other than general public access to the application.	
CA-3 (5)	EXTERNAL SYSTEM CONNECTIONS	MOD		For JAB Authorization, CSPs shall include details of this control in their Architecture Briefing						
CA-5	Plan of Action and Milestones	LOW	CA-5b. [at least monthly]	CA-S Guidance: Requirement: POA&Ms must be provided at least monthly.	CDGA	https://aws.amazon. com/compliance/fedra mp/	Review and approval	Participate in reviews and closure activities	Customers are required to provide their own Plan of Action and Milestones (PoAMs) to include any managment, technical, and operational risks that could compromise the confidentiality, integrity and availability of the applications being hosted	
CA-6	Security Authorization	LOW	CA-6c. [at least every three years or when a significant change occurs]	ICA-6c. Guidance: Significant change is defined in NIST Special Publication 800-37 Revision 1, Appendix F. The service provider describes the types of changes to the information system or the environment of operations that would impact the risk posture. The types of changes are approved and accepted by the Authorizing Official.	CD	https://aws.amazon. com/compliance/fedra mp/	Direct activities and approval			

CA-7	Continuous Monitoring	Low	CA-7d. (To meet Federal and FedRAMP requirements)	Operating System Scans: at least monthly Oathsea and Web Application Scans: at least monthlyAll scans performed by Independent Assessor: at least annuallyCA-7 Guidance: CSPs must provide evidence of closure and remediation of high vulnerabilities within the timeframe for standard POA&M updates.	СБ	https://aws.amazon.com/compliance/fedramp/	lestablish a continuous monitoring (con mon) program that includes: metrics to be monitored frequency of monitoring frequency of assessments which support the monitoring ongoing security control assessments ongoing security status monitoring or metrics in accordance with agency strategy to meet fedirarip compliance correlation and analysis of generated irresponse actions to the results report the state of the system to the AO at least quarterly			
CA-7 (1)	INDEPENDENT ASSESSMENT	MOD			GA					
CA-9	Internal System Connections	LOW			CD	https://aws.amazon. com/compliance/fedra mp/	policy statement that says all GFE laptops and mobile devices may connect granted they are STIGed or protected through MAAS360.			
					1.5. Configuration Managemen	(CM)				
CM-1	Configuration Management Policy and Procedures	LOW	CM-1.b.1 [at least every 3 years]CM-1. b.2 [at least annually]		CDGA	https://aws.amazon. com/compliance/fedra mp/	Policy	Providing information reugested for the controls	Consult your local security manager for your agency's specific policies and procedures	
CM-2	Baseline Configuration				CGA	https://aws.amazon. com/compliance/fedra mp/		Develop a baseline configuration for all components in the information system.	Develop a baseline configuration for all components that are customer managed.	
CM-2 (1)	REVIEWS AND UPDATES	MOD	CM-2 (1) (a). [at least annually]CM-2 (1) (b). [to include when directed by Authorizing Official]		GA					
	RETENTION OF PREVIOUS CONFIGURATIONS	MOD			GA					
CM-2 (7)	CONFIGURE SYSTEMS, COMPONENTS, OR DEVICES FOR HIGH- RISK AREAS	MOD			A					
CM-3	Configuration Change Control	MOD		Requirement: The service provider establishes a central means of communicating major changes to or developments in the information system or environment of operations that may affect its services to the federal government and associated service consumers (e.g., electronic bulletin board, web status page). The means of communication are approved and accepted by the Authorizing Official CM-3e Guidance: In accordance with record retention policies and procedures.						
CM-3(2)	Configuration Change Control   Test / Validate / Document Changes	MOD	The organization tests, validates, and documents changes to the information system before implementing the changes on the operational system.		GA					
CM-4	Security Impact Analysis				CGA	https://aws.amazon. com/compliance/fedra mp/		Analysis of the security impacts of making the change	Security Impact Analysis is required to be performed in order to measure and analyze the associated risks prior to an approved system change to be deployed in production.	Who is responsible for this and how is it approved in a multi- tenant environment?
CM-5	Access Restrictions for Change	MOD			CGA					

	Configuration Settings		CM-6a, [See CM-6(a) Additional FedRAMP Requirements and Guidance]	CM-6a. Requirement: The service provider shall use the Center for Internet Security guidelines (Level 1) to subsibilish configuration settings or Clevel 1) to subsibilish configuration settings or Clevel 10 to		https://aws.amazon.com/compliance/fedra			
	·	LOW	CM-7. [United States Government Configuration Baseline (USGCB)]	Requirement: The service provider shall use the Center for Internet Security quicelliens (Level 1) to establish list of prohibited or restricted functions, ports, protocols, and/or services or establishes its own list of prohibited or restricted functions, ports, protocols, and/or services if USCGB is not available CMF. Coludinose: Information on the USGCB checklists can be found at: http://usgcb.nist.gov/usgcb-faq. html#usgcbfaq_usgcbfdcc.(Partially derived from AC-17(B).	CGA	https://aws.amazon. com/compliance/fedra mp/	Implementation and documentation	Implementation and documentation for customer managed resources	
CM-7 (1)		MOD	CM-7(1) [ At least Monthly]		G				
CM-7 (2)	PREVENT PROGRAM EXECUTION	MOD		CM-7(2) Guidance: This control shall be implemented in a technical manner on the information system to only allow programs to run that adhere to the policy (i.e. white listing). This control is not to be based off of strictly written policy on what is allowed or not allowed to run.	N/A				
	Least Functinality   Unauthorized Software / Blacklisting		The organization: CM-7 (4)(a) Identifies [Assignment: organization-defined software programs not authorized to execute on the information system]: CM-7 (4)(b) Employs an allow-all, deny-by-exception policy to prohibit the execution of unauthorized software programs on the information system; and continuous						
CM-8	Component Inventory	LOW	CM-8b. [at least monthly]	CM-8 Requirement: must be provided at least monthly or when there is a change.	CGA	https://aws.amazon. com/compliance/fedra mp/	Way to inventory system components and appropriate tag items that are tied to customers	Can use AWS tagging or cloud checkr reports	
CM-8 (1)	UPDATES DURING INSTALLATIONS /	MOD			CGA				
011 0 (0)	REMOVALS	HOD	0110 (0) (1) 10 - 11 - 1						
	UNAUTHORIZED COMPONENT DETECTION	MOD	CM-8 (3) (a). [Continuously, using automated mechanisms with a maximum five-minute delay in detection.]		CGA				
CM-8 (5)	NO DUPLICATE ACCOUNTING OF COMPONENTS	MOD			CGA				
CM-9	Configuration Management Plan	MOD			GA				
CM-10	Software Usage Restrictions	LOW			CGA	https://aws.amazon. com/compliance/fedra mp/	software licenses that are just "baked" in like OS on instances will automatically be tracked and charged in AWS. Any other software that is not instant license from AWS can be tracked. monitoring for P2P usage will occur at the Sophos (and later TIC) for outbound traffic.	Customers are responsible for ensuring that only licensed software is utilized on all workstations and desktops and users are prohibited by policy of installing unilcensed software. Customers are responsible for monitor continuously for such violations.	Use software according to contract and license agreement, do not copy or distribute, and monitor for P2P file sharing to limit the distribution of copyrighted material.

						I				
CM-11	User-Installed Software	LOW	CM-11.c. [Continuously (via CM-7 (5))]		CGA	https://aws.amazon. com/compliance/fedra mp/			Customers are responsible for ensuring that only licensed sold warre is utilized on all workstations and desktops and users are prohibited by policy of installing unilicensed software. Customers are responsible for monitor continuously for such violations.	
			·		1.6. Contingency Planning (	CP)		•		
CP-1	Contingency Planning Policy and Procedures	LOW	CP-1.b.1 [at least every 3 years]CP-1.b. 2 [at least annually]		CDGA	https://aws.amazon. com/compliance/fedra mp/	Policy	Providing information requested for the controls	Consult your local security manager for your agency's specific policies and procedures	
CP-2		LOW	CP-2d. [at least annually]	Requirement: For JAB authorizations the contingency lists include designated FedRAMP personnel.	CGA	https://aws.amazon. com/compliance/fedra mp/		Coordinate between DOI staff and contractors	Consult your local security manager for your agency's specific policies and procedures	
CP-2 (1)	COORDINATE WITH RELATED PLANS	MOD			DG					
CP-2 (3)	RESUME ESSENTIAL MISSIONS / BUSINESS FUNCTIONS	MOD			CGD					
CP-2 (8)	IDENTIFY CRITICAL ASSETS	MOD			DG					
CP-3	Contingency Training	LOW	CP-3.a. [ 10 days]CP-3.c. [at least annually]		CGA	https://aws.amazon. com/compliance/fedra mp/		Provide contingency plan training to all those employees who will be integral to activating and carrying out the plan.	Customers are responsbile for their own applications and coordination with GP staff	
CP-4	Contingency Plan Testing and Exercises	LOW	CP-4a, [at least annually for moderate impact systems, at least every three years for low impact systems] functional exercises for moderate impact systems; classroom exercises/able top written tests for low impact systems]	CP-4a. Requirement: The service provider develops test plans in accordance with NIST Special Publication 800-34 (as amended); plans are approved by the Authorizing Official prior to initiating testing.	CGA	https://aws.amazon. com/compliance/fedra mp/		Contingency plan test annually	Customers should test annually or meet their Bureau requirements	
CP-4 (1)	COORDINATE WITH RELATED PLANS	MOD			DG					
CP-6		MOD			CDG					
CP-6 (1)	SEPARATION FROM PRIMARY SITE	MOD			С					
CP-6 (3)		MOD			C					
CP-7	Site	MOD		CP-7a. Requirement: The service provider defines a time period consistent with the recovery time objectives and business impact analysis.	С					
CP-7 (1)	SEPARATION FROM PRIMARY SITE	MOD		CP-7(1) Guidance: The service provider may determine what is considered a sufficient degree of separation between the primary and alternate processing sites, based on the types of threats that are of concern. For one particular type of threat (i.e., hostlie type tratack), the degree of separation between sites will be less relevant.	С					
CP-7 (2)	ACCESSIBILITY	MOD			C					
CP-7 (2) CP-7 (3)	PRIORITY OF SERVICE		-			-				
				CD 0 Description of The condenses in	0					
CP-8	Services	MOD		CP-8. Requirement: The service provider defines a time period consistent with the business impact analysis.	C					
CP-8 (1)	PRIORITY OF SERVICE PROVISIONS	MOD			С					
CP-8 (2)	SINGLE POINTS OF FAILURE	MOD			С					

CP-9	Information System Backup	LOW		CP-9. Requirement: The service provider shall determine what elements of the cloud environment require the Information System Backup control. Requirement: The service provider shall determine how Information System Backup is going to be verified an appropriate periodicity of the check CP-0 and a control of the check CP-0 and appropriate periodicity of the check CP-0 and a control of the check CP-0 and a check CP-0	CGA	https://aws.amazon. com/compliance/fedra mp/		Covered under managed services	Covered under managed services but customers are responsible for anything not covered under the managed services	
CP-9 (1)	TESTING FOR RELIABILITY / INTEGRITY	MOD	CP-9 (1). [at least annually]		D					
CP-10	Recovery and Reconstitution	LOW			CGA	https://aws.amazon. com/compliance/fedra mp/		Covered under managed services	Covered under managed services but customers are responsbile for anything not covered under the managed services	
CP-10 (2)	TRANSACTION RECOVERY	MOD			CA					
					1.7. Identification and Authentica					
IA-1	Authentication Policy and Procedures	LOW	IA-1.b.1 [at least every 3 years]IA-1.b.2 [at least annually]		CDGA	https://aws.amazon. com/compliance/fedra mp/	Policy	Providing information requested for the controls	Consult your local security manager for your agency's specific policies and procedures	
IA-2	Authentication (Organizational Users)	LOW			CG	https://aws.amazon. com/compliance/fedra mp/		Document where we cannot do this.		
IA-2 (1)	TO PRIVILEGED ACCOUNTS	LOW			CG	https://aws.amazon. com/compliance/fedra mp/		Document where we cannot do this.		
IA-2 (2)	NETWORK ACCESS TO NON-PRIVILEGED ACCOUNTS	1100								
IA-2 (3)	PRIVILEGED ACCOUNTS	MOD			DG					
IA-2 (8)	TO PRIVILEGED ACCOUNTS - REPLAY RESISTANT	MOD			A					
IA-2 (11)	REMOTE ACCESS - SEPARATE DEVICE	MOD	The information system implements multifactor authentication for remote access to privileged and non-privileged accounts such that one of the factors is provided by a device separate from the system gaining access and the device meets [Assignment: organization-defined strength of mechanism requirements].		DGA					
IA-2 (12)	ACCEPTANCE OF PIV CREDENTIALS	LOW		Guidance: Include Common Access Card (CAC), i.e., the DoD technical implementation of PIV/FIPS 201/HSPD-12.	CG	https://aws.amazon. com/compliance/fedra mp/		Document where we cannot do this.		
IA-3	Device Identification and	MOD			DGA					
IA-4	Authentication Identifier Management	LOW	IA-4d. [at least two years]IA-4e. [ninety days for user identifiers] (See additional requirements and guidance.)	IA-4e. Requirement: The service provider defines time period of inactivity for device identifiers.	CG	https://aws.amazon. com/compliance/fedra mp/		Select the identifier, assign the identifier, prevent reuse for up to 2 years, and disable them after 90 days of		
IA-5	Authenticator Management	LOW	IA-5g. [to include sixty days for passwords]		CG	https://aws.amazon. com/compliance/fedra mp/		inactivity.  Document identity and authenticator management system(s)		

IA-5 (1)	PASSWORD-BASED AUTHENTICATION	Low	IA-5 (1) (a) [case sensitive, minimum of wheve characters, and at least one each of upper-case letters, lower-case letters, lowers, and special characters]IA-5 (1) (b), [at least one]IA-5 (1) (b), [at least one]IA-5 (1) (d). [one day minimum, sixty day maximum]IA-5 (1) (e). [twenty four]	CGA	https://aws.amazon. com/compliance/fedra mp/	Responbile to enforce for anything using password-based authentication	Responshile for accounts at the application level	
IA-5 (2)	PKI-BASED AUTHENTICATION	MOD		N/A				
IA-5 (3)		MOD	IA-5 (3). [All hardware/biometric (multifactor authenticators] [in person]	D				
IA-5 (11)	HARDWARE TOKEN- BASED AUTHENTICATION	LOW		CG	https://aws.amazon. com/compliance/fedra	Document use of this		
IA-6	Authenticator Feedback			CGA	mp/ https://aws.amazon. com/compliance/fedra mp/	Document any occurrances where this cannot be enforced	Responsible for customer managed resources and applications	
IA-7	Cryptographic Module Authentication	LOW		CGA	https://aws.amazon. com/compliance/fedra mp/	Modules needs to be FIPS 140-2 compliant.	If the customer uses cryptographic modules in their applications outside of what is provided by GP and AWS (e.g. Linux/Apach SSL/TLS), those moldules must be officially FIPS-140-2 validated: http://csrc.nist.gov/groups/STM/cmvp/documents/140-1140val-all.htm	
IA-8	Identification and Authentication (Non- Organizational Users)	Low		CA	https://aws.amazon. com/compliance/fedra mp/		GP will not support any non-organizational users. This control falls to Amazon and the customer. Customers should use an e-authentication mechanism in their application if it authenticates any non-organizational users. For amalter sets of custom or internal authentication mechanism may suffice.	Must uniquely identify and authenticate non-organizational users. The simplest approach to doing this is to use an e-authentication mechanism to authenticate non-organization users. Is it correct to say that GP will not support non-organizational users?
IA-8 (1)	ACCEPTANCE OF PIV CREDENTIALS FROM OTHER AGENCIES	LOW		G	https://aws.amazon. com/compliance/fedra mp/	Accept and authenticate PIV cards from multiple agencies (Not just DOI)		
IA-8 (2)	ACCEPTANCE OF THIRD-PARTY CREDENTIALS	Low		A	https://aws.amazon. com/compliance/fedra mp/		Authenticated public web sites being served from GP must use only 3rd parly authentication credentials issued by non-federal entities which are FICAM approved. http://www.idmanagement.gov/approved-identity-services. If the customer uses an eauthentication mechanism for their authentication from the control of the contro	

IA-8 (3)	USE OF FICAM- APPROVED PRODUCTS	LOW			A	https://aws.amazon. com/compliance/fedra mp/			Authenticated public web sites being served from GP must use only	
	PRODUCTS					mp/			3rd party authentication	
									system components	
									which are also FICAM	
									approved. IA-8(2) was about identity providers,	
									this control is about	
									system components which authenticate	
									users with 3rd party	
									FICAM approved	
									credentials. http://www.	
									idmanagement.gov/.	
									Customer must use only FICAM approved	
									components for authentication of non-	
									organizational users to	
									applications:	
									References: OMB	
									Memoranda 04-04, 11- 11, 10-06-2011; FICAM	
									Roadman and	
									Implementation Guidance; FIPS Publication 201; NIST Special Publications	
									Guidance; FIPS	
									Special Publications	
									I 800-63. 800-116:	
									National Strategy for Trusted Identities in	
									Cyberspace; Web: http:	
									//idmanagement.gov	
IA-8 (4)	USE OF FICAM-	LOW			A	https://aws.amazon.			Customer must configure the FICAM	
	ISSUED PROFILES					com/compliance/fedra mp/			configure the FICAM approved components	
									according to FICAM	
									approved	
									implementation templates. http://www.	
									idmanagement.gov/	
		•	•		1.8. Incident Response (IR	)	•	•		
IR-1	Incident Response	LOW	IR-1.b.1 [at least every 3 years]IR-1.b.2		CDGA THEIGENE RESPONSE (TO	https://aws.amazon.	Policy	Providing information	Consult your local	
	Policy and Procedures		[at least annually]		··	com/compliance/fedra	,	Providing information reuqested for the	I security manager for	
						mp/		controls	your agency's specific policies and procedures	
IR-2	Insident December	LOW	ID Oh fet least seemelt 1		00	https://europeasa		A a a continue	policies and procedures	
IR-2	Incident Response Training	LOW	IR-2b. [at least annually]		CG	https://aws.amazon. com/compliance/fedra		Annual traning		
	1					mp/				
						·				
IR-3	Incident Response	MOD	IR-3. [at least annually]	IR-3. Requirement: The service provider defines	DC.					
IIX-3	Testing and Exercises	IWOD	IK-3. [at least allitually]	tests and/or exercises in accordance with NIST	100					
	3			Special Publication 800-61 (as amended).						
				Requirement: For JAB Authorization, the						
				service provider provides test plans to the Authorizing Official (AO) annually Requirement:						
				Test plans are approved and accepted by the Authorizing Official prior to test commencing.						
ID 0 (0)	OCCUPATION MET	MOD		Authorizing Official prior to test commencing.						
IR-3 (2)	COORDINATION WITH RELATED PLANS	IMOD			DG					
IR-4	Incident Handling	LOW		IR-4/A13. Requirement: The service provider	CG	https://aws.amazon.		Implement an incident		
1				ensures that individuals conducting incident		com/compliance/fedra				
1	1	1				conrectinguatice/legra		handling capability,		
1		1		handling meet personnel security requirements		mp/		handling capability, coordinate it with CP		
				commensurate with the criticality/sensitivity of the information being processed, stored, and		mp/		handling capability, coordinate it with CP activities, incorporate lessons learned from		
				handling meet personnel security requirements commensurate with the criticality/sensitivity of the information being processed, stored, and transmitted by the information system.		mp/		handling capability, coordinate it with CP activities, incorporate lessons learned from ongoing incident		
LID 4 (4)	ALITOMATED	MOD		commensurate with the criticality/sensitivity of the information being processed, stored, and	CDC	mp/		handling capability, coordinate it with CP activities, incorporate lessons learned from		
IR-4 (1)	AUTOMATED INCIDENT HANDLING	MOD		commensurate with the criticality/sensitivity of the information being processed, stored, and	CDG	mp/		handling capability, coordinate it with CP activities, incorporate lessons learned from ongoing incident		
	INCIDENT HANDLING PROCESSES			commensurate with the criticality/sensitivity of the information being processed, stored, and		mp/		handling capability, coordinate it with CP activities, incorporate lessons learned from ongoing incident		
IR-4 (1)	INCIDENT HANDLING	MOD		commensurate with the criticality/sensitivity of the information being processed, stored, and	CDG	https://aws.amazon.		handling capability, coordinate it with CP activities, incorporate lessons learned from ongoing incident		
	INCIDENT HANDLING PROCESSES			commensurate with the criticality/sensitivity of the information being processed, stored, and		https://aws.amazon.com/compliance/fedra		handling capability. coordinate it with CP activities, incorporate lessons learned from ongoing incident handling procedures.		
IR-5	INCIDENT HANDLING PROCESSES	LOW		commensurate with the criticality/sensitivity of the information being processed, stored, and transmitted by the information system.		https://aws.amazon.		handling capability, coordinate it with CP activities, incorporate lessons learned from ongoing incident		
	INCIDENT HANDLING PROCESSES		IR-6a. [US-CERT incident reporting	commensurate with the criticality/sensitivity of the information being processed, stored, and transmitted by the information system.		https://aws.amazon.com/compliance/fedramp/		handling capability, coordinate it with CP activities, incorporate lessons learned from ongoing incident handling procedures.	ROB	
IR-5	INCIDENT HANDLING PROCESSES Incident Monitoring	LOW	IR-6a. [US-CERT incident reporting timelines as specified in NIST Special	commensurate with the criticality/sensitivity of the information being processed, stored, and transmitted by the information system.  Requirement: Reports security incident information according to FedRAMP Incident	CG	https://aws.amazon.com/compliance/fedra		handling capability, coordinate it with CP activities, incorporate lessons learned from ongoing incident handling procedures.	ROB	
IR-5	INCIDENT HANDLING PROCESSES Incident Monitoring	LOW	IR-6a. [US-CERT incident reporting timelines as specified in NIST Special Publication 800-61 (as amended)]	commensurate with the criticality/sensitivity of the information being processed, stored, and transmitted by the information system.	CG	https://aws.amazon.com/compliance/fedramp/		handling capability, coordinate it with CP activities, incorporate lessons learned from ongoing incident handling procedures.	ROB	
IR-5	INCIDENT HANDLING PROCESSES Incident Monitoring	LOW	IR-6a. [US-CERT incident reporting timelines as specified in NIST Special Publication 800-61 (as amended)]	commensurate with the criticality/sensitivity of the information being processed, stored, and transmitted by the information system.  Requirement: Reports security incident information according to FedRAMP Incident	CG	https://aws.amazon.com/compliance/fedra		handling capability, coordinate it with CP activities, incorporate lessons learned from ongoing incident handling procedures.  Track and document incidents	ROB	
IR-5	INCIDENT HANDLING PROCESSES Incident Monitoring	LOW	IR-6a. [US-CERT incident reporting timelines as specified in NIST Special Publication 800-61 (as amended)]	commensurate with the criticality/sensitivity of the information being processed, stored, and transmitted by the information system.  Requirement: Reports security incident information according to FedRAMP Incident	CG	https://aws.amazon.com/compliance/fedra		handling capability, coordinate it with CP activities, incorporate lessons learned from ongoing incident handling procedures.  Track and document incidents	ROB	
IR-5	INCIDENT HANDLING PROCESSES Incident Monitoring	LOW	IR-6a. [US-CERT incident reporting timelines as specified in NIST Special Publication 800-61 (as amended)]	commensurate with the criticality/sensitivity of the information being processed, stored, and transmitted by the information system.  Requirement: Reports security incident information according to FedRAMP Incident	CG	https://aws.amazon.com/compliance/fedra		handling capability, coordinate it with CP activities, incorporate lessons learned from ongoing incident handling procedures.  Track and document incidents	ROB	
IR-5	INCIDENT HANDLING PROCESSES Incident Monitoring Incident Reporting	Low	IR-6a. [US-CERT incident reporting timelines as specified in NIST Special Publication 800-61 (as amended)]	commensurate with the criticality/sensitivity of the information being processed, stored, and transmitted by the information system.  Requirement: Reports security incident information according to FedRAMP Incident	CG	https://aws.amazon.com/compliance/fedra		handling capability, coordinate it with CP activities, incorporate lessons learned from ongoing incident handling procedures.  Track and document incidents	ROB	
IR-5	INCIDENT HANDLING PROCESSES Incident Monitoring Incident Reporting	LOW	IR-6a. [US-CERT incident reporting timelines as specified in NIST Special Publication 800-61 (as amended)]	commensurate with the criticality/sensitivity of the information being processed, stored, and transmitted by the information system.  Requirement: Reports security incident information according to FedRAMP Incident	CG	https://aws.amazon.com/compliance/fedra		handling capability, coordinate it with CP activities, incorporate lessons learned from ongoing incident handling procedures.	ROB	
IR-5	INCIDENT HANDLING PROCESSES Incident Monitoring	Low	IR-6a. [US-CERT incident reporting timelines as specified in NIST Special Publication 800-61 (as amended)]	commensurate with the criticality/sensitivity of the information being processed, stored, and transmitted by the information system.  Requirement: Reports security incident information according to FedRAMP Incident	CG CDGA	https://aws.amazon.com/compliance/fedra		handling capability, coordinate it with CP activities, incorporate lessons learned from ongoing incident handling procedures.  Track and document incidents	ROB	
IR-6 IR-6 (1)	INCIDENT HANDLING PROCESSES Incident Monitoring Incident Reporting  AUTOMATED REPORTING	LOW	IR-6a. [US-CERT incident reporting timelines as specified in NIST Special Publication 800-81 (as amended)]	commensurate with the criticality/sensitivity of the information being processed, stored, and transmitted by the information system.  Requirement: Reports security incident information according to FedRAMP Incident	CG CDGA CDG	https://aws.amazon.com/compliance/fedra mp/ https://aws.amazon.com/compliance/fedra mp/		handling capability, coordinate it with CP activities, incorporate lessons learned from ongoing incident handling procedures.  Track and document incidents  All suspected security incidents must be reported to the DOI CSIRT within 1 hour	ROB	
IR-5	INCIDENT HANDLING PROCESSES Incident Monitoring  Incident Reporting  AUTOMATED REPORTING Incident Response	Low	IR-6a. [US-CERT incident reporting timelines as specified in NIST Special Publication 800-61 (as amended)]	commensurate with the criticality/sensitivity of the information being processed, stored, and transmitted by the information system.  Requirement: Reports security incident information according to FedRAMP Incident	CG CDGA	https://aws.amazon.com/compliance/fedramp/ https://aws.amazon.com/compliance/fedramp/ https://aws.amazon.com/compliance/fedramp/	Contact:	handling capability, coordinate it with CP activities, incorporate lessons learned from ongoing incident handling procedures.  Track and document incidents	ROB	
IR-5 IR-6 (1) IR-7	INCIDENT HANDLING PROCESSES Incident Monitoring  Incident Reporting  AUTOMATED REPORTING Incident Response Assistance	LOW MOD LOW	IR-6a. [US-CERT incident reporting timelines as specified in NIST Special Publication 800-61 (as amended)]	commensurate with the criticality/sensitivity of the information being processed, stored, and transmitted by the information system.  Requirement: Reports security incident information according to FedRAMP Incident	CDG CDG CDG	https://aws.amazon.com/compliance/fedra mp/ https://aws.amazon.com/compliance/fedra mp/	Contact:	handling capability, coordinate it with CP activities, incorporate lessons learned from ongoing incident handling procedures.  Track and document incidents  All suspected security incidents must be reported to the DOI CSIRT within 1 hour	ROB	
IR-6 IR-6 (1)	INCIDENT HANDLING PROCESSES Incident Monitoring  Incident Reporting  AUTOMATED REPORTING Incident Response Assistance	LOW	IR-6a. [US-CERT incident reporting timelines as specified in NIST Special Publication 800-61 (as amended)]	commensurate with the criticality/sensitivity of the information being processed, stored, and transmitted by the information system.  Requirement: Reports security incident information according to FedRAMP Incident	CG CDGA CDG	https://aws.amazon.com/compliance/fedra mp/ https://aws.amazon.com/compliance/fedra mp/ https://aws.amazon.com/compliance/fedra	Contact:	handling capability, coordinate it with CP activities, incorporate lessons learned from ongoing incident handling procedures.  Track and document incidents  All suspected security incidents must be reported to the DOI CSIRT within 1 hour	ROB	
IR-5 IR-6 (1) IR-7	INCIDENT HANDLING PROCESSES Incident Monitoring  Incident Reporting  AUTOMATED REPORTING  Incident Response Assistance  AUTOMATION SUPPORT FOR	LOW MOD LOW	IR-6a. [US-CERT incident reporting timelines as specified in NIST Special Publication 800-61 (as amended)]	commensurate with the criticality/sensitivity of the information being processed, stored, and transmitted by the information system.  Requirement: Reports security incident information according to FedRAMP Incident	CDG CDG CDG	https://aws.amazon.com/compliance/fedra mp/ https://aws.amazon.com/compliance/fedra mp/ https://aws.amazon.com/compliance/fedra	Contact:	handling capability, coordinate it with CP activities, incorporate lessons learned from ongoing incident handling procedures.  Track and document incidents  All suspected security incidents must be reported to the DOI CSIRT within 1 hour	ROB	
IR-5 IR-6 (1) IR-7	INCIDENT HANDLING PROCESSES Incident Monitoring  Incident Reporting  AUTOMATED REPORTING  Incident Response Assistance  AUTOMATION SUPPORT FOR AVAILABILITY OF INFORMATION /	LOW MOD LOW	IR-6a. [US-CERT incident reporting timelines as specified in NIST Special Publication 800-61 (as amended)]	commensurate with the criticality/sensitivity of the information being processed, stored, and transmitted by the information system.  Requirement: Reports security incident information according to FedRAMP Incident	CDG CDG CDG	https://aws.amazon.com/compliance/fedra mp/ https://aws.amazon.com/compliance/fedra mp/ https://aws.amazon.com/compliance/fedra	Contact:	handling capability, coordinate it with CP activities, incorporate lessons learned from ongoing incident handling procedures.  Track and document incidents  All suspected security incidents must be reported to the DOI CSIRT within 1 hour	ROB	
IR-5 IR-6 (1) IR-7	INCIDENT HANDLING PROCESSES Incident Monitoring  Incident Reporting  AUTOMATED REPORTING  Incident Response Assistance  AUTOMATION SUPPORT FOR	LOW MOD LOW	IR-6a. [US-CERT incident reporting timelines as specified in NIST Special Publication 800-61 (as amended)]	commensurate with the criticality/sensitivity of the information being processed, stored, and transmitted by the information system.  Requirement: Reports security incident information according to FedRAMP Incident	CDG CDG CDG	https://aws.amazon.com/compliance/fedra mp/ https://aws.amazon.com/compliance/fedra mp/ https://aws.amazon.com/compliance/fedra	Contact:	handling capability, coordinate it with CP activities, incorporate lessons learned from ongoing incident handling procedures.  Track and document incidents  All suspected security incidents must be reported to the DOI CSIRT within 1 hour	ROB	
IR-5 IR-6 (1) IR-7	INCIDENT HANDLING PROCESSES Incident Monitoring  Incident Reporting  AUTOMATED REPORTING  Incident Response Assistance  AUTOMATION SUPPORT FOR AVAILABILITY OF INFORMATION /	LOW MOD LOW	IR-6a. [US-CERT incident reporting timelines as specified in NIST Special Publication 800-61 (as amended)]	commensurate with the criticality/sensitivity of the information being processed, stored, and transmitted by the information system.  Requirement: Reports security incident information according to FedRAMP Incident	CDG CDG CDG	https://aws.amazon.com/compliance/fedra mp/ https://aws.amazon.com/compliance/fedra mp/ https://aws.amazon.com/compliance/fedra	Contact:	handling capability, coordinate it with CP activities, incorporate lessons learned from ongoing incident handling procedures.  Track and document incidents  All suspected security incidents must be reported to the DOI CSIRT within 1 hour	ROB	

IR-8	Incident Response Plan	LOW	IR-8c. [at least annually]	IR-8(b) Additional FedRAMP Requirements and Guidance: The service provider defines a list of incident response personnel (identified by name and/or by role) and organizational elements. The incident response list incidudes designated FedRAMP personnel IR-8(e) Additional FedRAMP personnel IR-8(e) Additional FedRAMP personnel IR-8(e) Additional response provider defines a list of incident response personnel (identified by name and/or by role) and organizational elements. The incident response list includes designated	СС	https://aws.amazon. com/compliance/fedra mp/	Provide incident resposne plan			
				FedRAMP personnel.						
					1.9. Maintenance (MA)					
MA-1	System Maintenance Policy and Procedures	LOW	MA-1.b.1 [at least every 3 years]MA-1. b.2 [at least annually]		CD	https://aws.amazon. com/compliance/fedra	Provides policy			
MA-2	Controlled Maintenance	LOW			CG	mp/ https://aws.amazon. com/compliance/fedra		Monitoring, software maintenance		
						mp/		mamoriano		
MA-3 MA-3 (1)	Maintenance Tools INSPECT TOOLS	MOD MOD			CD					
MA-3 (2)	INSPECT MEDIA	MOD			CDA					
MA-4		LOW			С	https://aws.amazon.				
						com/compliance/fedra mp/				
MA-4 (2)	DOCUMENT NONLOCAL MAINTENANCE	MOD			DG					
MA-5	Maintenance Personnel	LOW			С	https://aws.amazon. com/compliance/fedra mp/				
MA-6	Timely Maintenance	MOD			С					
					1.10. Media Protection (M)	P)				
MP-1	Media Protection Policy	I ow	MP-1.b.1 [at least every 3 years]MP-1.	I	c 1.10. Media i i otection (Mi	https://aws.amazon.			Consult your local	Would need to revisit if physcial media is used to move data
	and Procedures		b.2 [at least annually]			com/compliance/fedra mp/			security manager for your agency's specific policies and procedures	at AWS
MP-2	Media Access	LOW			С	https://aws.amazon. com/compliance/fedra mp/			Consult your local security manager for your agency's specific policies and procedures	Would need to revisit if physcial media is used to move data at AWS
MP-3	Media Marking	MOD	MP-3b. [no removable media types]	MP-3b. Guidance: Second parameter not- applicable	С					
MP-4	Media Storage	MOD	MP-4a. [all types of digital and non- digital media with sensitive information] within [FedRAMP Assignment: see additional FedRAMP requirements and guidance];	MP-4a Additional FedRAMP Requirements and Guidance: Requirement: The service provider defines controlled areas within facilities where the information and information system reside.	С					
MP-5	Media Transport	MOD	MP-5a, [all media with sensitive information] lipror to leaving secure/controlled environment; for digital media, encryption using a FIPS 140-2 validated encryption module; for non-digital media, secured in locked container]		N/A					
MP-5 (4)	CRYPTOGRAPHIC PROTECTION	MOD			N/A					
MP-6	PROTECTION  Media Sanitization	LOW	The organization: a. Santizes [Assignment: organization-defined information system media] prior to disposal, release out of organizational control, or release for reuse using [Assignment: organization-defined santization techniques and procedures] in accordance with applicable federal and organizational standards and policies; and b. Employs santization mechanisms with the strength and integrity commensurate with the security category or classification of the information.		С	https://aws.amazon.com/compliance/fedra			Consult your local security manager for your agency's specific policies and procedures	Would need to revisit if physcial media is used to move data at AWS

MP-7	Media Use	LOW			С	https://aws.amazon. com/compliance/fedra mp/				Would need to revisit if physcial media is used to move dat at AWS
MP-7 (1)	PROHIBIT USE WITHOUT OWNER	MOD			N/A	IIID/				
	WITHOUT OWNER ]			1	.11. Physical and Environmental Pro	otection (PE)				
PE-1	Physical and environmental protection	LOW	PE-1.b.1 [at least every 3 years]PE-1.b.		С	https://aws.amazon.				
	policy and procedures		2 [at least annually]			com/compliance/fedra mp/				
PE-2	Physical Access Authorizations	LOW	PE-2c. [at least annually]		С	https://aws.amazon. com/compliance/fedra mp/				
PE-3	Physical Access Control		PE-3a.2 (CSP defined physical access control systems/devices AND guards) PE-3d. [in all circumstances within restricted access area where the information system resides]PE-3f. [at least annually] PE-3g. [at least annually]		C	https://aws.amazon. com/compliance/fedra mp/.				
PE-4	Transmission Medium	MOD			С					
PE-5	Access Control for Output Devices	MOD			С					
PE-6	Monitoring Physical Access	LOW	PE-6b.[at least monthly]		С	https://aws.amazon. com/compliance/fedra mp/				
PE-6 (1)	SURVEILLANCE EQUIPMENT	MOD			С					
PE-8	Access Records	LOW	PE-8a [for a minimum of one year]PE-8b. [at least monthly]		С	https://aws.amazon. com/compliance/fedra mp/				
PE-9	Power Equipment and Power Cabling	MOD			С					
PE-10	Emergency Shutoff	MOD			С					
PE-11	Emergency Power	MOD			С					
PE-12	Emergency Lighting	MOD			С					
PE-13	Fire Protection	LOW			С	https://aws.amazon. com/compliance/fedra mp/				
PE-13 (3)	AUTOMATIC FIRE SUPPRESSION	MOD			С					
PE-14	Temperature and Humidity Controls	LOW	PE-14a. [consistent with American Society of Heating, Refrigerating and Air-conditioning Engineers (ASHRAE) document entitled Thermal Guidelines for Data Processing Environments] PE-14b. [continuously]	PE-14a. Requirements: The service provider measures temperature at server inlets and humidity levels by dew point.	С	https://aws.amazon. com/compliance/fedra mp/				
PE-15	Water Damage Protection	LOW			С	https://aws.amazon. com/compliance/fedra mp/				
PE-16	Delivery and Removal	LOW	PE-16. [all information system components]		С	https://aws.amazon. com/compliance/fedra mp/				
PE-17	Alternate Work Site	MOD			С					
			I=		1.12. Planning (PL)	T	I= ::	T=	12	
PL-1	Security Planning Policy and Procedures	LOW	PL-1.b.1 [at least every 3 years]PL-1.b. 2 [at least annually]		CDG	https://aws.amazon. com/compliance/fedra mp/	Policy	Providing information requested for the controls	Consult your local security manager for your agency's specific policies and procedures	
PL-2		LOW	PL-2c. [at least annually]		CDGA	https://aws.amazon. com/compliance/fedra mp/	Direction and approval	Generally covered by completing the set of documents that are required within the CRM	Customers need to document the controls they are responsible for	
PL-2 (3)	PLAN / COORDINATE WITH OTHER ORGANIZATIONAL ENTITIES				DG					
PL-4	Rules of Behavior	LOW	PL-4c. [At least every 3 years]		CGA	https://aws.amazon. com/compliance/fedra mp/		Covered in contract, or by DOI policy for employees and contractor staff	Needs to sign ROB	
PL-4 (1)	NETWORKING RESTRICTIONS	MOD			DGA			301		
PL-8	Information Security Architecture	MOD	PL-8b. [At least annually]		DG					
			· -		1.13. Personnel Security (P	S)				

					I	Iv.a. a	I			
PS-1	Personnel Security Policy and Procedures	LOW	PS-1.b.1 [at least every 3 years]PS-1.b. 2 [at least annually]		CDGA	https://aws.amazon. com/compliance/fedra mp/	Policy	Covered in contract	Consult your local security manager for your agency's specific policies and procedures	
PS-2	Position Categorization	LOW	PS-2c. [at least every three years]		CG	https://aws.amazon. com/compliance/fedra mp/		Covered in contract		
PS-3		LOW	PS-3b, [for national security clearances; a reinvestigation is required during the 5th year for top secret security clearance, the 10th year for secret security clearance, and 15th year for confidential security clearance. For moderate risk law enforcement high impact public trust level, a reinvestigation is required during the 5th year. There is no reinvestigation for other moderate risk positions or any low risk positions]		CG	https://aws.amazon. com/compliance/fedra		Covered in contract		
PS-4		LOW	PS-4.a. [same day]		CGA	https://aws.amazon. com/compliance/fedra mp/		Covered in contract	Customers are responsible for maintaining their own personnel security policy and procedure which provides guidance specific to personnel screening, termination, transfer, access agreements, and third-party personnel security.  Customers are	
PS-5	Personnel Transfer	LOW	PS-5. [within five days of the formal transfer action (DoD 24 hours)]		CGA	https://aws.amazon. com/compliance/fedra mp/		Covered in contract	Customers are responsible for maintaining their own personnel security policy and procedure which provides guidance specific to personnel screening, termination, transfer, access agreements, and third-party personnel security.	
PS-6	Access Agreements	LOW	PS-6b. [at least annually]PS-6c.2. [at least annually]		CG	https://aws.amazon. com/compliance/fedra mp/		Covered in contract	Customers are responsible for maintaining their own personnel security policy and procedure which provides guidance specific to personnel screening, termination, transfer, access agreements, and third-party personnel security.	
PS-7	Security	LOW	PS-7d. organization-defined time period - same day		CG	https://aws.amazon. com/compliance/fedra mp/		Covered in contract	Customers are responsible for maintaining their own personnel security policy and procedure which provides guidance specific to personnel screening, termination, transfer, access agreements, and third-party personnel security.	
PS-8	Personnel Sanctions	LOW			1.14. Risk Assessment (RA	https://aws.amazon. com/compliance/fedra mp/		Covered in contract	Customers are responsible for maintaining their own personnel security policy and procedure which provides guidance specific to personnel screening, termination, transfer, access agreements, and third-party personnel security.	
RA-1	Risk Assessment Policy and Procedures	LOW	RA-1.b.1 [at least every 3 years]RA-1.b.	I	CD 1.14. Risk Assessment (RA	https://aws.amazon.	Policy and procedures			
			2 [at least annually]			com/compliance/fedra				
RA-2		LOW			CGA	mp/ LOW/MOD offering		LOW offering now, MOD evetually	Application owner's responsibility to determine and appropriately deploy (Information types workbook)	
RA-3	Risk Assessment	LOW	RA-3b. [security assessment report] RA-3c. [at least every three years or when a significant change occurs] RA-3e. [at least every three years or when a significant change occurs]	Guidance: Significant change is defined in NIST Special Publication 800-37 Revision 1, Appendix F. RA-3d. Requirement: to include the Authorizing Official; for JAB authorizations to include FedRAMP	CDG	https://aws.amazon. com/compliance/fedra mp/	DOI Security team provides guidance and oversight	Provide information		

RA-5	Vulnerability Scanning	LOW	RA-5a. [monthly operating system/infrastructure, monthly web applications and databases] RA-5d. [high-risk vulnerabilities mitigated within thirty days from date of discovery, moderate-risk vulnerabilities mitigated within innerly days from date of discovery]	RA-5a. Requirement: an accredited independent assessor scarso perating systems/infrastructure, web applications, and databases once annually RA-5e. Requirement: to include the Risk Executive: for JAB authorizations to include FedRAMP	CDGA	https://aws.amazon. com/compliance/fedra mp/	Oversight?	Infrastructure level scanning monthly, monthly application and database, mitigation services	Application-level mitigation	How is scanning information disseminated and to who? Does there need to be a user type added to the user table? Who is responsible for mitigation?
RA-5 (1)	UPDATE TOOL CAPABILITY	MOD			CGA					
RA-5 (2)	UPDATE BY FREQUENCY / PRIOR TO NEW SCAN / WHEN IDENTIFIED	MOD	RA-5 (2). [prior to a new scan]		DG					
RA-5 (5)	PRIVILEGED ACCESS	MOD	RA-5 (5). [operating systems / web applications / databases] [all scans]		DGA					
					115 6	: (CA)				
SA-1	System and Services	LOW	SA-1.b.1 [at least every 3 years]SA-1.b.	T	1.15. System and Services Acquisit	https://aws.amazon.	Policy			
	Acquisition Policy and Procedures		2 [at least annually]			com/compliance/fedra mp/	,			
SA-2	Allocation of Resources	LOW			CDGA	https://aws.amazon. com/compliance/fedra mp/	DOI FCH	Covered in contract	Customer works with GP team/ vendor	
SA-3	Life Cycle Support	LOW			CG	https://aws.amazon. com/compliance/fedra mp/		Document SDLC, technical description. system design document, plus additional documention collected by address the controls in the CRM		
SA-4	Acquisitions	LOW		SA-4. Guidance: The use of Common Criteria (ISO/IEC 15408) evaluated products is strongly preferred.See http://www.niap-ccevs.org/vpl or http://www.commoncriteriaportal.org/products. html.	CG	https://aws.amazon. com/compliance/fedra mp/		Covered in contract		
SA-4 (1)	FUNCTIONAL PROPERTIES OF SECURITY CONTROLS	MOD			DGA					
SA-4 (2)	DESIGN / IMPLEMENTATION INFORMATION FOR SECURITY CONTROLS	MOD	[to include security-relevant external system interfaces and high-level design]		DGA					
SA-4 (9)	FUNCTIONS / PORTS / PROTOCOLS / SERVICES IN USE				GA					
SA-4 (10)	USE OF APPROVED PIV PRODUCTS	LOW			CG	https://aws.amazon. com/compliance/fedra mp/		Use only products that are FIPS 201 approved for PIV		
SA-5	Information System Documentation	LOW			CGA	https://aws.amazon. com/compliance/fedra mp/		Collect administrative and user documentation from the vendor, document attempts to get it if they have none, protect it in accordance with risk management strategy and give it to organizational roles with defined roles.	Customer obtains software or other services from vendors, such as on the AWS marketplace, they should obtain administrative and user documentation for the product	
SA-8	Security Engineering Principles	MOD			GA					
SA-9	External Information System Services	LOW	SA-9a. [FedFAMP Security Controls Baseline(s) if Federal information is processed or stored within the external system[SA-9c. [Federal/FedFAMP Continuous Monitoring requirements must be met for external systems where Federal information is processed or stored]		СС	https://aws.amazon. com/compliance/fedra mp/		Require external service providers to be FedRAMP compliant, document govt. oversight, roles and responsibilities with regard to the provider		
SA-9 (2)	IDENTIFICATION OF FUNCTIONS / PORTS / PROTOCOLS / SERVICES	MOD	SA-9 (2). [All external systems where Federal information is processed, transmitted or stored]		A					
SA-10	Developer Configuration Management	MOD	SA-10a. [development, implementation, AND operation]	SA-10e. Requirement: for JAB authorizations, track security flaws and flaw resolution within the system, component, or service and report findings to organization-defined personnel, to include FedRAMP.	GA					

SA-11	Developer Security Testing	MOD			GA					
	1.559		·	1.	16. System and Communications Pro	otection (SC)	·	'		
SC-1	System and Communications Protection Policy and Procedures	LOW	SC-1.b.1 [at least every 3 years]SC-1.b. 2 [at least annually]		CDGA	https://aws.amazon. com/compliance/fedra mp/	Policy	Providing information requested for the controls	Consult your local security manager for your agency's specific policies and procedures	
SC-2	Application Partitioning	MOD			CG					
SC-4	Information in Shared Resources	MOD			CGA					
SC-5	Denial of Service Protection	LOW			CGA	https://aws.amazon. com/compliance/fedra mp/		Implement and documen	Customers have responsibility to prevent DoS through SQL injection, etc. by secure coding practices.	
SC-7	Boundary Protection	LOW			CG	https://aws.amazon. com/compliance/fedra mp/		Firewalls, monitor and communication at the boundaries of the system, separate publicly accessible and internal boundaries		
SC-7 (3)	ACCESS POINTS	MOD			G					
SC-7 (4)	EXTERNAL TELECOMMUNICATIO NS SERVICES	MOD	SC-7 (4). [at least annually]		С					
SC-7 (5)	ALLOW BY EXCEPTION	MOD			CG					
SC-7 (7)	PREVENT SPLIT TUNNELING FOR REMOTE DEVICES	MOD			N/A					
SC-8	Transmission Integrity	MOD	SC-8. [confidentiality AND integrity]		CG					
SC-8 (1)	CRYPTOGRAPHIC OR ALTERNATE PHYSICAL PROTECTION	MOD	SC-8 (1), [prevent unauthorized disclosure of information AND detect changes to information [a hardened or alarmed carrier Protective Distribution System (PDS)]		СС					
SC-10	Network Disconnect	MOD	SC-10. [no longer than 30 minutes for RAS-based sessions or no longer than 60 minutes for non-interactive user sessions]		CGA					
SC-12	Cryptographic Key Establishment and Management	LOW		SC-12 Guidance: Federally approved cryptography	CG	https://aws.amazon. com/compliance/fedra mp/		Document procedures for local cryptographic key management		
SC-13	Use of Cryptography	LOW	FIPS-validated or NSA-approved cryptography]		CGA	https://aws.amazon. com/compliance/fedra mp/		All cryptography	If the customer uses any cryptographic modules in their application (e.g. SSL) it must be FIPS or NSA validated.	
SC-15	Collaborative Computing Devices	LOW	SC-15a. [no exceptions]		С	https://aws.amazon. com/compliance/fedra mp/				
SC-17	Public Key Infrastructure Certificates	MOD			D					
SC-18	Mobile Code	MOD			А					
SC-19	Voice Over Internet Protocol	MOD			N/A					
SC-20	Secure Name /Address Resolution Service (Authoritative Source)	LOW			CG	https://aws.amazon. com/compliance/fedra mp/		Implement		This control requires clients and endpoints to use secure DNS services only when resolving addresses. DNS client resolvers either perform validation of DNSSEC signatures, or clients use authenticated channels to recursive resolvers that perform such validations. This will likely need to be documented as part of DOI STIRGS for Windows and Linux OS. Customers must ensure that instances use DNSSEC once it is available. Weakness in AWS. POAM.
SC-21	Secure Name/ Address Resolution Service (Recursive or Caching Resolver)	LOW			CGA	https://aws.amazon. com/compliance/fedra mp/.		Implement	Implement for customer controlled resources	This control requires clients and endpoints to use secure DNS services only when resolving addresses. DNS client resolvers either perform validation of DNSSEC signatures, or clients use authenticated channels to recursive resolvers that perform such validations. This will likely need to be documented as part of DOI STIGS for Windows and Linux OS. Customers must ensure that instances use DNSSEC once it is available. Weakness in AWS. POAM?

SC-22	Architecture and	LOW			CG	https://aws.amazon.		Document fault		
	Provisioning for					com/compliance/fedra		tolerance and separate		
	Name/Address					mp/		of internal and external.		
	Resolution Service					1				
						1				
						1				
						1				
SC-23	Session Authenticity	MOD			CGA					
SC-28	Protection of Information	MOD	SC-28. [confidentiality AND integrity]	SC-28. Guidance: The organization supports	CG					
30-20	at Rest	IVIOD	3C-26. [Confidentiality AND Integrity]	the capability to use cryptographic mechanisms	CG	1				
	at Kest			to protect information at rest.		1				
				to protect information at rest.		1				
						1				
						1				
						1				
						1				
SC-39	Process Isolation	LOW			CG	https://aws.amazon.		Is automatically met by		Assumption of no legacy OS systems that would not meet
						com/compliance/fedra		"All modern operating		this requirement
	1					mp/		systems feature the		
						1		capability to maintain a		
						1		separate execution		
						1		domain for each		
						1		executing process. "		
					1.17. System and Information Inte	arity (SD)				
01.4	I 0	1.011/	101414711111111111111111111111111111111	1			In.r.	In	I constitution of the state of	
SI-1	System and Information	LOW	SI-1.b.1 [at least every 3 years]SI-1.b.2		CDGA	https://aws.amazon.	Policy	Providing information	Consult your local	
	Integrity Policy and		[at least annually]			com/compliance/fedra		requested for the	security manager for	
	Procedures					mp/		controls	your agency's specific	
									policies and procedures	
SI-2	Flaw Remediation	LOW	SI-2c. [Within 30 days of release of		CGA	https://aws.amazon.		Vulerability scanning,	Consult your local	
			updates]			com/compliance/fedra		IEM, SEP, ect.,	security manager for	
						mp/		managing patching	your agency's specific	
								process	policies and procedures	
SI-2 (2)	AUTOMATED FLAW	MOD	SI-2 (2). [at least monthly]		CGA					
- ( )	REMEDIATION	-	, , , , , , , , , , , , , , , , , , , ,							
	STATUS									
SI-3	Malicious Code	LOW	SI-3.c.1 [at least weekly] [to include		CGA	https://aws.amazon.			Consult your local	
	Protection	-	endpoints]SI-3.c.2 [to include alerting			com/compliance/fedra			security manager for	
			administrator or defined security			mp/			your agency's specific	
			personnel]			1			policies and procedures	
			paration,					Install malicious code	F	
								protection on all		
								protection on all endpoints, UTM		
								malware detection for		
								network		
SI-3 (1)	CENTRAL	MOD			CGA			HELWOIR		
31-3 (1)	MANAGEMENT	MOD			CGA					
	MANAGEMENT									
01.0 (0)	AUTOMATIC UPDATES	MOD			201					
SI-3 (2)	AUTOWATIC OPDATES	MOD			CGA					
SI-4	Information System	LOW			CG	https://aws.amazon.		Monitor and detect		
	Monitoring					com/compliance/fedra		attacks, unauthorized		
						mp/		connections, etc. (Evidence:		
						1		(Evidence:		
						1		documentation and		
								screenshots)		
SI-4 (2)	AUTOMATED TOOLS	MOD			CGA					
	FOR REAL-TIME									
	ANALYSIS									
SI-4 (4)	INBOUND AND	MOD	SI-4 (4). [continually]		CG					
1	OUTBOUND			1	I	1				
1	COMMUNICATIONS			I	I	1		1	l	1
	TRAFFIC									
SI-4 (5)	SYSTEM-GENERATED	MOD		SI-4(5) Guidance: In accordance with the	CGA					
	ALERTS			incident response plan.						
SI-5	Security Alerts,	LOW	SI-5a. [to include US-CERT]SI-5c. [to		CG	https://aws.amazon.				Who is responsbile for this within the group?
1	Advisories, and		include system security personnel and	1	I	com/compliance/fedra				"
1	Directives		administrators with configuration/patch-	I	I	mp/		I		[
1			management responsibilities]	I	I	1		I		
1				I	I	1		I		
1				1	I	1				
1				I	I	1		Receive, generate,		
1				1	I	1		disseminate security		
1				1	I	1		advisories		
SI-7	Software and	MOD			CG					
1	Information Integrity			1		1				
SI-7 (1)		MOD	SI-7 (1). [Selection to include security		CG					
15(1)			relevant events and at least monthly]	1	1	1	Ì	1	ĺ	
1			Total and at least monthly	1	I	1				
1				I	I	1		1	l	1
1				1	I	1				
1				1	I	1	Ì	1	ĺ	
SI-7 (7)	INTEGRATION OF	MOD	1		CDG	<b>†</b>				
Joi-7 (7)	INTEGRATION OF DETECTION AND			1	1000	1	Ì	1	ĺ	
1	RESPONSE			1	I	1				
SI-8		MOD	1		N/A	+				
			<u> </u>				<u> </u>			<u> </u>
SI-8 (1)	CENTRAL	MOD			N/A					
1 ,	MANAGEMENT	-		1	I	1	Ì	1	ĺ	
1				1	I	1	Ì	1	ĺ	
SI-8 (2)	AUTOMATIC UPDATES	MOD	1	1	N/A					
				1	I	1	Ì	1	ĺ	
1				1	I	1				
1				<u> </u>						

SI-10	Information Input	MOD		Δ.				
	Validation			^				
SI-11		MOD		GA				
	Handling and Retention				https://aws.amazon. com/compliance/fedra mp/	Implement Records management for all relevant information contained in or generated by the information system as defined in the annual FISSA+ training.	Consult your local security manager for your agency's specific policies and procedures	
SI-16	Memory Protection	MOD		CGA				